

INTERNATIONAL SEARCH REPORT

IB2004/050867

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L51/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

EPO-Internal INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TW 515 062 B (DELTA OPTOELECTRONICS INC) 21 December 2002 (2002-12-21)	1-5
A	the whole document figures 5,6	6-8
X	US 2002/018911 A1 (BERNIUS MARK T ET AL) 14 February 2002 (2002-02-14)	1-5
A	paragraphs '0017! - '0035!; figure 3	6-8
A	US 2003/066311 A1 (TSAI JIUN-WEI ET AL) 10 April 2003 (2003-04-10)	1-8
	figure 4	
A	WO 02/21557 A (INST OF MATERIALS RES & ENGINE; OSRAM OPTO SEMICONDUCTORS GMBH ; AUCH) 14 March 2002 (2002-03-14)	1-8
	the whole document figure 2	
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

• Special categories of cited documents

- A** document defining the general state of the art which is not considered to be of particular relevance
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 - O** document referring to an oral disclosure, use, exhibition or other means
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 - Y** document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

Date of mailing of the International search report

3 November 2004

24/11/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04, 31 August 2000 (2000-08-31) & JP 2000 030858 A (TDK CORP), 28 January 2000 (2000-01-28) abstract -----	1-8
P,X	US 2003/122476 A1 (DELTA OPTOELECTRONICS INC) 3 July 2003 (2003-07-03) the whole document figures 5,6 -----	1-5

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